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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,767	12/04/2003	Fabrizio Di Franco	NRT.0173US	7581
21906 7590 08/23/2007 TROP PRUNER & HU, PC 1616 S. VOSS ROAD, SUITE 750 HOUSTON, TX 77057-2631			EXAMINER NGUYEN, LE V	
			ART UNIT 2174	PAPER NUMBER
			MAIL DATE 08/23/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/727,767	DI FRANCO ET AL.	
	Examiner	Art Unit	
	Le Nguyen	2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is responsive to an amendment filed 5/21/07.
2. Claims 1-39 are pending in this application; and, claims 1, 21 and 39 are independent claims. Claims 1, 3-6, 9-14, 16-18, 21, 23-26, 29 and 31-39 have been amended. This action is made Final.
3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1-9, 11-29, 31-35 and 36-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hitchcock et al. ("Hitchcock") in view of Atlas et al. ("Atlas"), and further in view of Ludwig et al. ("Ludwig").

As per claims 1, 19 and 20, Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device and a computer program element comprising computer program code to make a computing device execute the method and embodied in or on a computer readable medium comprising in response to a save command by a user of the computing device in relation to a plurality of forms, for each field of the forms containing display values, saving the display values in a data storage file wherein the forms include a first form and a second form and wherein the save command is provided in response to user

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selection of a first option displayed with the first open form (Abstract; col. 2, lines 4-16; col. 21, lines 13-30; forms for different institutions differ in appearance and content wherein it is inherent to have a save/submit button when filling a form in order to save data in the form such as depicted in fig. 9C, "Save this Page"), and in response to a load command by a user in relation to an open form and a designated or default data storage file, populating the fields of the form with the display values stored in the file (col. 2, lines 15-21). Hitchcock does not explicitly disclose the form being an open form. Atlas teaches a method of populating the data fields of an open form (figs. 2-6). It would have been obvious to an artisan at the time of the invention to incorporate the method of Atlas with the method of Hitchcock in order to override the automatic feature and provide for manual editing in cases where updating a particular information or correcting specific errors are necessary on an individual bases within an organization without having to refill the whole form, thereby, providing a user friendly interface for data entry. However, Hitchcock and Atlas do not explicitly disclose carrying out a load command in response to user selection of a second option displayed. Ludwig provides for a load command in response to user selection of a second option displayed (paragraph [0097]; wherein the system provides a load default button to fill in all fields with the default entries). It would have been obvious to an artisan at the time of the invention to incorporate the method of Ludwig with the method of Hitchcock and Atlas in order to quickly fill in fields that are commonly used.

As per claim 2, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a

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graphical user interface (GUI) application running on the computing device comprising storing the display values in the data storage file in a user editable format (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30; Atlas: col. 4, lines 1-63).

As per claim 3, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form such as a first form of a graphical user interface (GUI) application running on the computing device comprising storing a correlation for each field of the first form in the data storage file wherein each correlation is a correlation between a field element identifier in the GUI application for that field and the display value for that field (Hitchcock: Abstract; col. 2, lines 4-16; col. 21, lines 13-30; *correlation between a field element identifier in the GUI application for that field and the display value for that field is inherent in order to populate the fields with the corresponding data*).

As per claim 4, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form such as a first form of a graphical user interface (GUI) application running on the computing device comprising storing a correlation for each field of the first form in the data storage file in a user editable format wherein each correlation is a correlation between a field element identifier in the GUI application for that field and the display value for that field (Hitchcock: Abstract; col. 2, lines 4-16; col. 21, lines 13-30; Atlas: col. 4, lines 1-63).

As per claim 5, although the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a

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graphical user interface (GUI) application running on the computing device comprising storing a correlation for each field of the form in the data storage file and using name-value pairs (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30), Hitchcock does not explicitly disclose capturing the relationship/correlation between the data field and the data name-value. Official Notice is taken that it is common to capture the relationship/correlation between the data field and the data name-value. Another way of doing this is to retain the order of the data fields without using name-value pairs; however, if one field were removed, the relationship/correlation between the data field and the displayed data would be lost. Therefore, it would have been obvious to an artisan at the time of the invention to incorporate capturing the relationship/correlation between the data field and the data name and value and listing GUI application element name in relation to the data with the method of the modified Hitchcock given that it is a more robust and flexible way to model data structures that are not predefined

As per claim 6, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein in response to a save command by a user of the computing device in relation to the first open form, for each field of the first open form containing display values, the method additionally comprises creating a correlation comprising a field element identifier in the GUI application for that field and the display value for that field and storing the one or more created correlation in the data storage file, and in response to a load command by a user in relation to the second open form and data storage file, identifying each field

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where a match occurs between the field element identifiers of the fields of the second open form and the field element identifiers of the correlation in the data storage file and populating each such identified field of the second open form with the display value stored in the file for the matched correlation (Hitchcock: Abstract; col. 21, line 13 through col. 22, line 13; Atlas: figs. 2-6).

As per claim 7, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein the fields are box fields and the display values are data displayed in boxes on the form (Hitchcock: fig. 12b; col. 5, lines 27-47; col. 19, lines 60-62).

As per claim 8, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein the fields are data type descriptor fields and the display values are data type descriptors (Hitchcock: col. 16, line 1-44).

As per claim 9, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device comprising: in response to a request from a user, displaying the form on a display of the computing device for a user to input display values in fields of the first form and displaying a activator icon on the form, and in response to a user actuating the activator icon, displaying an array of options including the first and second options (figs. 6(a-d)).

As per claim 11, although the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein the first form has a title and saving the display values in the data storage file is automatic and comprises generating the file in a default location of the computing device, and storing the display values in the file (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30), Hitchcock does not explicitly disclose naming the file after the title of the form. Official Notice is taken that naming the file after title of the form when generating a file in a default location of the computing device is well known in the art. It would have been obvious to an artisan at the time of the invention to incorporate naming the file after title of the form when generating a file in a default location of the computing device with the method of the modified Hitchcock in order to provide a familiar reference point during a search when recovering the file in the event of a computer crash.

As per claim 12, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein populating the fields of the second form with the display values stored in the file, comprises displaying a file picker window for a user to select a data storage file from which to load the display values (Hitchcock: figs. 6(a-d); col. 22, lines 9-14; Atlas: figs. 2-6; col. 4, lines 1-63).

As per claim 13, although the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of

a graphical user interface (GUI) application running on the computing device wherein the second form has a title and populating the fields of the second form with the display values stored in the file is automatic and comprises selecting a file from which to load the display values (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30; Atlas: col. 4, lines 1-63), the modified Hitchcock does not explicitly disclose selecting a file in a default location with the same name as the title of a form. Official Notice is taken that naming the file after title of the form when generating a file in a default location of the computing device is well known in the art. It would have been obvious to an artisan at the time of the invention to incorporate naming the file after title of the form when generating a file in a default location of the computing device with the method of the modified Hitchcock in order to provide a familiar reference point during a search.

As per claim 14, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein in response to a user designating a data storage file as a default file for a form, automatically populating the fields of the given form with the display values stored in the file when a new version of the given form is opened (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30; Atlas: col. 4, lines 1-63).

As per claim 15, although the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device comprising storing a correlation for each field of the first form in the data storage file and using

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name-value pairs (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30), Hitchcock does not explicitly disclose display a screen listing GUI application element name in relation to the data. Official Notice is taken that it is common to list GUI application element name in relation to the data as is done with standard integrated devices where there are listing of variables and highlighting of the places where the variable are used, which corresponds to the field names and the relationship between the field names and the data fields. Therefore, it would have been obvious to an artisan at the time of the invention to incorporate listing GUI application element name in relation to the data with the method of the modified Hitchcock so that you know which data values correspond to which data field.

As per claim 16, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein in response to a request by a user, displaying the contents of the data storage file on a display of the computing device in a user editable format (Hitchcock: figs. 6(a-d); Atlas: figs. 2-6; col. 4, lines 1-63).

As per claim 17, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device comprising generating an activation interface which is actuable by the user to facilitate storage of display values to the data storage file or loading of display values from the data storage file (Hitchcock: figs. 6(a-d)).

As per claim 18, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device comprising displaying an activation interface on the first or second open form which is actuable by the user to facilitate storage of display values to the data storage file or loading of display values from the data storage file (Hitchcock: figs. 6(a-d)).

Claims 21 and 39 in combination is similar in scope to the combination of claims 1, 19 and 20 and are therefore rejected under similar rationale.

Claim 22 is similar in scope to the combination of claims 1, 2, 19 and 20 and is therefore rejected under similar rationale.

Claim 23 is similar in scope to the combination of claims 1, 3, 19 and 20 and is therefore rejected under similar rationale.

Claim 24 is similar in scope to the combination of claims 1, 4, 19 and 20 and is therefore rejected under similar rationale.

Claim 25 is similar in scope to the combination of claims 1, 5, 19 and 20 and is therefore rejected under similar rationale.

Claim 26 is similar in scope to the combination of claims 1, 6, 19 and 20 and is therefore rejected under similar rationale.

Claim 27 is similar in scope to the combination of claims 1, 7, 19 and 20 and is therefore rejected under similar rationale.

Claim 28 is similar in scope to the combination of claims 1, 8, 19 and 20 and is therefore rejected under similar rationale.

Claim 29 is similar in scope to the combination of claims 1, 9, 19 and 20 and is therefore rejected under similar rationale.

Claim 31 is similar in scope to the combination of claims 1, 11, 19 and 20 and is therefore rejected under similar rationale.

Claim 32 is similar in scope to the combination of claims 1, 12, 19 and 20 and is therefore rejected under similar rationale.

Claim 33 is similar in scope to the combination of claims 1, 13, 19 and 20 and is therefore rejected under similar rationale.

Claim 34 is similar in scope to the combination of claims 1, 14, 19 and 20 and is therefore rejected under similar rationale.

Claim 35 is similar in scope to the combination of claims 1, 15, 19 and 20 and is therefore rejected under similar rationale.

Claim 36 is similar in scope to the combination of claims 1, 16, 19 and 20 and is therefore rejected under similar rationale.

Claim 37 is similar in scope to the combination of claims 1, 17, 19 and 20 and is therefore rejected under similar rationale.

Claim 38 is similar in scope to the combination of claims 1, 18, 19 and 20 and is therefore rejected under similar rationale.

5. Claims 10 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hitchcock et al. ("Hitchcock") in view of Atlas et al. ("Atlas"), in view of Ludwig et al. ("Ludwig"), and further in view of Screen Dumps of Microsoft Word 2000 (MS Word).

As per claim 10, the modified Hitchcock teaches a method operating on a computing device for the storage of display values from one or more fields of a form of a graphical user interface (GUI) application running on the computing device wherein saving the display values in a data storage file (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30), the modified Hitchcock does not explicitly disclose a file save window for a user to create or select a file in which to save the data. MS Word teaches a file save window for a user to create or select a file in which to save the data (figs. 2-3; *users may select create a new file by typing in a name such as "Sample" within the "File name:" field or select an existing Word icon to save the data*). It would have been obvious to an artisan at the time of the invention to incorporate the method of MS Word with the method of the modified Hitchcock so that users may have more control in organizing their files and in a way that is meaningful for easy retrieval.

As per claim 30, the modified Hitchcock teaches a computer executable software code stored on a computer readable medium for storing display values from one or more fields of a form of a GUI application wherein saving the display values in a data storage file (Hitchcock: col. 2, lines 4-16; col. 21, lines 13-30), the modified Hitchcock does not explicitly disclose a file save window for a user to create or select a file in which to save the data. MS Word teaches a file save window for a user to create or select a file in which to save the data (figs. 2-3; *users may select create a new file by typing in a name such as "Sample" within the "File name:" field or select an existing Word icon to save the data*). It would have been obvious to an artisan at the time of the invention to incorporate the method of MS Word with the method of the modified

Hitchcock so that users may have more control in organizing their files and in a way that is meaningful for easy retrieval.

Response to Arguments

6. Applicant's arguments with respect to claims 1, 21 and 39 have been considered but are moot in view of the new ground(s) of rejection, except for the following:

Applicant argued the following:

There is no teaching or hint anywhere in Atlas of a save command.

The Office disagrees for the following reasons:

It is inherent to have a save/submit button when filling forms such as depicted in fig. 9C, "Save this Page" (Hitchcock: Abstract; col. 2, lines 4-16; col. 21, lines 13-30) in order to save data in the form.

Furthermore, the Office notes that applicant did not contest the factual assertion set forth under Official Notice in paragraphs six, eleven, thirteen and fifteen of section five of the Office Action of 2/20/07.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Inquires

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Lê Nguyen whose telephone number is **(571) 272-4068**. The examiner can normally be reached on Monday - Friday from 7:00 am to 3:30 pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached at (571) 272-4063.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LVN

Patent Examiner

July 31, 2007

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